Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/13/2016 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124511	-1	2.72	124373	2.72
Blue	F	SSC	125000	124676	-1	5.07	125700	5.06
Blue	E	FITC	17224	16777	-3	3.56	945	9.27
Blue	D	PE	22462	22040	-2	3.24	990	8.27
Blue	B	PerCP-Cy5-5	63940	63801	-1	3.83	1684	13.01
Blue	A	PE-Cy7	72480	71892	-1	4.69	941	24.27
Red	C	APC	63778	62842	-2	2.60	3535	8.22
Red	A	APC-Cy7	97254	96595	-1	2.67	1919	7.87
Violet	B	V450	10730	10473	-3	3.55	650	7.73
Violet	A	V500	42147	40752	-4	3.16	2302	5.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19835	3.58	588	-32	N/A	N/A	Pass
Blue	F	SSC	62128	4.03	513	-14	N/A	N/A	Pass
Blue	E	FITC	102	35.21	516	-23	0.0253	123	Pass
Blue	D	PE	205	25.02	511	-21	0.1933	195	Pass
Blue	B	PerCP-Cy5-5	206	38.68	601	-13	0.0120	21	Pass
Blue	A	PE-Cy7	71	95.31	652	-21	0.0159	12	Pass
Red	C	APC	332	25.96	581	-3	0.0206	0	Pass
Red	A	APC-Cy7	122	36.72	563	-2	0.0049	631	Pass
Violet	B	V450	69	39.65	450	-24	0.0534	1842	Pass
Violet	A	V500	150	20.72	478	-25	0.0141	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.92	-31.70	0.81
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.28
Red	16.87	13.28 - 19.92	N/A	N/A	32.18	32.51	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9778

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments